

Patent claims

1. Alkaline electroplating bath for plating zinc-nickel coatings, having an anode (2) and a cathode (3), characterized in that the anode is separated from the alkaline electrolyte by an ion exchange membrane (6).
2. Electroplating bath according to claim 1, characterized in that the cathode (3) is separated from the alkaline electrolyte (4) by a perfluorinated cation exchange membrane (6).
3. Electroplating bath according to claim 1 or 2, characterized by sulfuric acid, phosphoric acid, methanesulfonic acid, amidosulfonic acid and/or phosphonic acid as anolyte (5).
4. Electroplating bath according to one of claims 1 to 3, characterized by a platinum-coated titanium anode.